

Serial No. 09/044,030

IN THE CLAIMS:

Please rewrite Claim 1 as new Claim 13 as follows:

13. A heat pipe cooler, comprising:

a heat receiving plate having first and second opposite surfaces, said heat receiving plate being adapted at said first surface to contact an element which generates heat and is to be cooled;

at least one heat pipe having a generally U- or V- shaped profile, opposite end portions, and a middle portion between said opposite end portions, said heat pipe being fixed at said middle portion to said second surface of said heat receiving plate for thermal conduction, with said opposite end portions being upstanding with respect to said heat receiving plate, said at least one heat pipe being sealed at its opposite end portions;

a plurality of parallel heat radiating plates fixed to said at least one heat pipe at each of said opposite end portions, said parallel heat radiating plates extending substantially parallel to said heat receiving plate;

13. a ventilation duct having an air inlet and air outlet surrounding said parallel heat radiating plates and defining a passage for air to flow through a gap between said parallel heat radiating plates; and

a fan producing a current of air through said duct.

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Please add new claims 14-19 as follows:

14. The heat pipe cooler according to claim 13, wherein each of said opposite end portions of said at least one heat pipe passes through said plurality of parallel heat radiating plates.

15. The heat pipe cooler according to claim 13, wherein said at least one heat pipe comprises a plurality of heat pipes, each of said heat pipes being arranged in parallel to the current of air produced by said fan.

16. The heat pipe cooler according to claim 13, wherein both said opposite end portions of each of said heat pipes are fixed to each of said plurality of parallel heat radiating plates.

17. The heat pipe cooler according to claim 13, further comprising a fastener for securing said heat receiving plate to an element to be cooled.

18. The heat pipe cooler according to claim 13, wherein said at least one heat pipe is bonded to said second surface of said heat receiving plate.

19. The heat pipe cooler according to claim 13, wherein said second surface of said heat receiving plate is generally flat and has no groove to receive said at least one heat pipe.

Please cancel claims 2, 3, 4, 5 and 7 without prejudice or disclaimer.